μl containing LightCycler-FastStart DNA Master SYBR Green I mix (FastStart Taq DNA polymerase, reaction buffer, dNTP mix with dUTP instead of dTTP, SYBR Green I dye, and 1 mM MgCl₂; Roche), 0.5 μM primers, 2μl of a cDNA dilution series (final concentration of 40, 20, 10, 5, 1 and 0.5 ng human total brain cDNA; Clontech) and, depending on the primers used, additional 3 mM MgCl₂. Melting curve analysis revealed a single peak at approximately 82.5 °C with no visible primer dimers. Quality and size of the PCR product were determined with the DNA LabChip system (Agilent 2100 Bioanalyzer, Agilent Technologies). A single peak at the expected size of 69 bp for TB2 was observed in the electropherogram of the sample.

Please substitute the paragraph appearing at page 32, line 1, with the following paragraph:

In an analogous manner, the PCR protocol was applied to determine the PCR efficiency of a set of reference genes which were selected as a reference standard for quantification. In the present invention, the mean value of five such reference genes was determined: **(1)** cyclophilin В, using the specific primers 5'-ACTGAAGCACTACGGGCCTG-3' (SEQ ${
m ID}$ NO. 5'and AGCCGTTGGTGTCTTTGCC-3' (SEQ ID NO. 6) except for MgCl₂ (an additional 1 mM was added instead of 3 mM). Melting curve analysis revealed a single peak at approximately 87 °C with no visible primer dimers. Agarose gel analysis of the PCR product showed one single band of the expected size (62 bp). (2) Ribosomal protein S9 (RPS9), using the specific primers 5-'GGTCAAATTTACCCTGGCCA-3' (SEQ ID NO.

7) and 5'-TCTCATCAAGCGTCAGCAGTTC-3' (SEQ ID NO. 8) (exception: additional 1 mM MgCl₂ was added instead of 3mM). Melting curve analysis revealed a single peak at approximately 85 °C with no visible primer dimers. Agarose gel analysis of the PCR product showed one single band with the expected size (62 bp). (3) beta-actin, using the specific primers 5'-TGGAACGGTGAAGGTGACA-3' (SEQ ID NO. 9) and 5'-GGCAAGGGACTTCCTGTAA-3' (SEQ ID NO. 10). Melting curve analysis revealed a single peak at approximately 87 °C with no visible primer dimers. Agarose gel analysis of the PCR product showed one single band with the expected size (142 bp). (4) GAPDH, using the specific primers 5'-CGTCATGGGTGTGAACCATG-3' (SEO ID NO. 11) and 5'-GCTAAGCAGTTGGTGGTGCAG-3' (SEQ ID NO. 12). Melting curve analysis revealed a single peak at approximately 83 °C with no visible primer dimers. Agarose gel analysis of the PCR product showed one single band with the expected size (5) Transferrin receptor TRR, using the specific primers 5'-GTCGCTGGTCAGTTCGTGATT-3' (SEQ ${
m ID}$ NO. 13) and 5'-AGCAGTTGGCTGTTGTACCTCTC-3' (SEQ ID NO. 14). Melting curve analysis revealed a single peak at approximately 83 °C with no visible primer dimers. Agarose gel analysis of the PCR product showed one single band with the expected size (80 bp).